

Title (en)
ELECTRIC POWER TOOL, MOTOR, AND ROTOR THEREOF

Title (de)
ELEKTROWERKZEUG, MOTOR UND ROTOR DAFÜR

Title (fr)
OUTIL ÉLECTRIQUE, MOTEUR ET ROTOR ASSOCIÉ

Publication
EP 4135162 A4 20240522 (EN)

Application
EP 21785560 A 20210312

Priority
• CN 202010266848 A 20200407
• CN 2021080437 W 20210312

Abstract (en)
[origin: EP4135162A1] The invention provides a power tool, a motor and a rotor thereof. The rotor includes a housing (12), a rotating shaft (11) fixed on the housing (12), a yoke (14) accommodated in the housing (12), and permanent magnets (15) mounted on the yoke (14). The housing (12) includes a bottom wall (121) and a sidewall (120) extending from an outer periphery of the bottom wall (121) in an axial direction of the rotor. The rotor further includes a cooling fan (13), the cooling fan (13) is located at an axial distal end of the sidewall (120) away from the bottom wall (121). The rotating shaft (11), the yoke (14), the permanent magnets (15), the cooling fan (13) and the housing (12) are formed into a non-detachable whole by overmolding.

IPC 8 full level
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CPC (source: CN EP US)
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